1 2	What is claimed is:			
3 4	1. A method, comprising:			
5	storing network flow information for a first packet received from a first network portion			
6	and storing network flow information for other packets received from other network portions			
7	associated with the first network portion in one or more database records associated with the first			
8	network portion;			
9	querying the database for network flow information associated with the first network			
10	portion; and			
11	aggregating the network flow information associated with the first network portion in an			
12	aggregate packet.			
13				
14	2. The method of claim 1, further comprising transmitting the aggregate packet on			
15	the first network portion.			
16	• •			
17	3. The method of claim 1, further comprising:			
18	receiving a plurality of packets from the first network portion with an average time			
19	interval between packets equal to T;			
20	receiving the first packet; and			
21	aggregating the network flow information associated with the first network portion in an			
22	aggregate packet at a time T after the first packet is received.			
23				
24	4. The method of claim 1, further comprising:			

25	receiving the first packet;			
26	incrementing a counter based on receiving the first packet from the first network portion			
27	and			
28	aggregating the network flow information associated with the first network portion in an			
29	aggregate packet when the counter is at or above a threshold value.			
30				
31	5. The method of claim 4, further comprising:			
32	transmitting the aggregate packet on the first network portion; and			
33	decrementing the counter based on transmitting the aggregate packet on the first network			
34	portion.			
35				
36	6. The method of claim 1, wherein the first network portion is a source virtual			
37	circuit.			
38				
39	7. The method of claim 6, wherein the first packet is a forward flow control packet			
40	including flow information for the source virtual circuit and wherein the other packets associated			
41	with the first network portion are backward flow control packets including flow information for			
42	plurality of destination virtual circuits associated with the source virtual circuit.			
43				
44	8. The method of claim 1, wherein the first network portion includes a network			
45	device that generates the first packet.			
46				

9. The method of claim 8, wherein the first network portion further includes at least one of a switch and a router.

10. The method of claim 1, wherein the other packets associated with the first network portion include network flow information for the other network portions, the other network portions associated with multicast packets based on the first packet.

## 11. A network device, comprising:

circuitry to extract network flow information from a first packet received from a first network portion and from other packets received from other network portions associated with the first network portion, the circuitry further to create one or more database records associated with the first network portion to store at least a portion of the network flow information, the circuitry further to generate an aggregate packet including network flow information associated with the first network portion retrieved from the database.

12. The device of claim 11, wherein the circuitry further includes a counter, and wherein the circuitry is to increment the counter in response to receiving the first packet.

13. The device of claim 12, wherein the circuitry is further to transmit the aggregate packet on the first network portion, and wherein the circuitry is further to decrement the counter in response to at least one of generating the aggregate packet and transmitting the aggregate packet.

70	14. The device of claim 11, wherein the circuitry is further to generate the aggregate			
71	packet at a time T after receiving the first packet, wherein the time T is an average time between			
72	receiving packets from the first network portion.			
73				
74	15. An article comprising a machine-readable medium storing instructions operable to			
75	cause one or more machines to perform operations comprising:			
76	storing network flow information for a first packet received from a first network portion			
77	and network flow information for other packets received from other network portions associated			
78	with the first network portion in one or more database records associated with the first network			
79	portion;			
80	querying the database for network flow information associated with the first network			
81	portion; and			
82	aggregating the network flow information associated with the first network portion in an			
83	aggregate packet.			
84				
85	16. The article of claim 15, wherein the operations further comprise transmitting the			
86	aggregate packet on the first network portion.			
87				
88	17. The article of claim 15, wherein the operations further comprise:			
89	receiving a plurality of packets from the first network portion with an average time			
90	interval between packets equal to T;			
91	receiving the first packet; and			

92	aggregating the network flow information associated with the first network portion in ar			
93	aggregate packet at a time T after the first packet is received.			
94				
95	18. The article of claim 15, wherein the operations further comprise:			
96	receiving the first packet;			
97	incrementing a counter based on receiving the first packet from the first network portion;			
98	and			
99	aggregating the network flow information associated with the first network portion in an			
100	aggregate packet when the counter is at or above a threshold value.			
101				
102	19. The article of claim 18, wherein the operations further comprise:			
103	transmitting the aggregate packet on the first network portion; and			
104	decrementing the counter based on transmitting the aggregate packet on the first network			
105	portion.			
106				
107	20. The article of claim 15, wherein the first network portion is a source virtual			
108	circuit.			
109				
110	21. The article of claim 20, wherein the first packet is a forward flow control packet			
111	including flow information for the source virtual circuit and wherein the other packets associate			
112	with the first network portion are backward flow control packets including flow information for			
113	plurality of destination virtual circuits associated with the source virtual circuit.			
114				

115	22.	The article of claim 15, wherein the first network portion includes a network		
116	device that generates the first packet.			
117				
118	23.	The article of claim 22, wherein the first network portion further includes at leas		
119	one of a switch and a router.			
120				
121	24.	The article of claim 15, wherein the other packets associated with the first		
122	network portion include network flow information for the other network portions, the other			
123	network portions associated with multicast packets based on the first packet.			
124				
125 126 127				